Check these with bills - a

Parts Price List

The Monotype Keyboard

EFFECTIVE, *March 1, 1941*

(Revised March 10, 1942)

Subject to change without notice

Lanston Monotype Machine Company

Philadelphia, Pa.

463-3-42-1750

Keyboards Nos. over 11186
have Patton spacing attachments
and no O lug on Valve bar (S)
13 KA15. We put an O lug on
Machine No. 11308. See "How to
make keybars" in Black book
also Machine No. 11309.

Monomatic

$14,000 Caster
$ 4,000 Keyboard
$90.00 mat case
$89.00 sizing plate
~~$36.50~~ wedges $61.05 - 3-70

All keyboards under Serial No. 10,600
are obsolete after 1-1969, if the part ordered
is not on hand a mfg. charge on a
cost-plus basis will be charged

Parts Price List

The Monotype Keyboard

With a preface which gives: 1. Our guarantee and charges. 2. Directions for ordering parts including a simple explanation of our method of designating parts.

This Price List is for use with Keyboards 6800 and following. For Keyboards prior to 6800, if not shown in this Price List, consult Philadelphia

Lanston Monotype Machine Company
Philadelphia, Pa.

X Style 3E Composition Mold $475.00
6-67

X Style 3E Rebuilt Mold - 10pt $395.00
6-67

Credit for trade in mold $130.50
2-67

PRICE LIST OF PARTS

GUARANTEE AND CHARGES

WE GUARANTEE every article to be free from all defects of material or workmanship, and will gladly replace (f. o. b. our factory) any parts that are not up to this standard of Monotype quality.

ALL PRICES are net f. o. b. our factory, and are subject to change without notice; all expenses for freight, expressage, postage or special requirements of customers are additional.

EXCHANGES of repaired parts for worn parts (for example, Valve Banks) are based on the material returned being in condition to be repaired. The repaired material is billed at the price of new and proper credit is given on receipt of the worn material. If the returned material is not in condition to be repaired, the charge for the repaired material furnished will be eighty per cent (80%) of the price of the corresponding new material.

SUPERSEDED PARTS will be furnished at list prices as long as we have them in stock. When our stock is exhausted, the improved parts which have superseded them must be furnished instead or, if the superseded parts are made special, they will be charged accordingly.

SPECIAL WORK of any kind, such as alterations, changes, rebuilding, repairing, or applying of parts, will be charged extra, in addition to the parts used, unless specifically stated to the contrary.

DIRECTIONS FOR ORDERING PARTS

(A Careful Reading Is Important)

All of these directions are essential. You will save time, trouble and money by reading them carefully before ordering any parts.

If you are not familiar with the Monotype terms here used, read "Designation of Parts" and "Contents of this Book" which follow these "Directions for Ordering Parts."

To enable us to fill orders correctly you must give us the following information:

(1) Give the number of the Keyboard for which the part is required (stamped on the Name Plate).

(2) Give the name of the part.

(3) Give the symbol of the part (give every character in the symbol exactly as printed—every one means something).

(4) Give the quantity required of each part.

To insure getting the correct name and symbol:

Use the Plate Book in conjunction with this Price List.

DESIGNATION OF PARTS

(Name)	(Quantity)	(Classification Number)	(Symbol)	(Price each)
Em-rack Slide head Screw (2)	**233**		5KB3	★.08

NAME: Shows that these Screws hold in place the Em-rack Slide head.

QUANTITY: Two of these Screws; where no quantity is given "1" is understood.

CLASSIFICATION NUMBER: Standard pieces which may be used in several places under different symbols are given classifying numbers; those numbers beginning with **"1"** are bolts, **"2"** screws, **"3"** nuts, **"4"** washers, **"5"** dowels, **"6"** springs, **"7"** rivets, **"8"** spring pins and posts, **"9"** cotters. All pieces having the same classification number are alike without regard to what their symbols may be.

SYMBOL: Identifies and locates the part. The letters "KB" indicate that these Screws are in the "KB" section (the Keyboard being divided into three Sections lettered KA, KB, and KC). The figure 5 preceding the letters indicates that these Screws are in the fifth group of this section (the groups comprising each section being numbered consecutively from one up). The figure 3 following the letters indicates that these Screws are the third pieces of this group (the individual pieces comprising each group being numbered thus consecutively). If a lowercase letter precedes the first figure in the symbol (for example, Bell a1KB1) it indicates that there have been one or more changes in the piece and the new piece is not interchangeable with the superseded one without changing or altering other parts. If the letter "K" appears as the last character of the symbol (for example, a2KB1K) it indicates that this piece is furnished only assembled with one or more other pieces, in which case a reference mark replaces the price and a note at the end of the group gives details and price for the assembly. When a cap "X" is the first character of a symbol (for example, X3KB) it calls for the complete group as listed above it.

PRICE: Always given for one piece and must be multiplied by the "quantity" to obtain the total. If a price is given, the piece can be furnished separately. If a black star (★) precedes price, this amount is included in the price of an assembled part given in one of the notes following the group but may be purchased separately if desired. If the price is replaced by a reference mark, it indicates the piece is furnished only assembled with one or more other pieces and the price given in the note at the end of that group includes the price of all pieces in the assembly. The price opposite the complete symbol (symbol starting with "X") is for all the parts in the group as indicated.

48KB
Unit Wheel Positioner 3-64 — $23.00

Keyboard Operators Manual (English Manual) 9-64 $5.00

English Keyboard Adj: Book 4-64 $2.00

Dustproof Bopes for 1517 Keybars 3-61 $14.50 each

90-em attachments (6 parts - no em scale) 9-63 $144.75

* 1517 Mat Case XMV8A 9-14-65 $101.00
American Accent Mats 6-23-69 $2.90
Composition Mats 11-6-64 $1.20

Complete Machine — news — see inside front cover.

9 pr. 20ABC mats with point, figs, ligs, ×+'" °% () dashes #10, 15, leaders #20 + Spanish and French accents (219 mats) $261.80 @ $1.20 per mat. 8-1965

We are pleased to announce that effective immediately there will be a quantity discount on all AMERICAN CELLULAR COMPOSITION mats up to 12 point, as follows:

9-15-1965

80 to 159.....	5% quantity discount
160 to 239.....	10% quantity discount
240 and over.....	12% quantity discount

The above does not apply to faces of English manufacture nor Display Matrices.

* Wedges $55.50 - 12-1968

* Stop-bars ~~$65.00 12-65~~
" " 69.50 4-67

* English Just. Scales $14.90 (6-67)

* 1517 Keybars $195.00 - 4-67 (2 = 390.00)

Section KA

Mechanism for transferring the motion of the Keys, when depressed by the operator, to the required Valve-bank Plungers; includes also the Base and Standard.

1KA—Base	b1KA1	71.59
bushing (support for 16KA3) (Style D Keyboard only)	1KA7	.29
cover	1KA2K	*
" latch	1KA3	★.27
" " knob	1KA4	★.49
" support (2)	1KA5	★.21
" " rivet (4) **7170**	1KA6	★.01
BASE group	**Xb1KA**	**74.80**

*1KA2K is assembled with 1KA3, 1KA4, 1KA5 and 1KA6. Price assembled 2.92

2KA—Base Standard	a2KA1K	*
screw (for raising Xb1KA)	2KA3	*
" hand wheel	2KA4	*
" lock nut	2KA5	*
BASE STANDARD group	**X2KA**	**29.40**

*a2KA1K is assembled with 2KA3, 2KA4, and 2KA5. Order by complete symbol X2KA.

3KA—Copy Bracket	a3KA1	1.40
extension	a3KA2	.14
" clamp	a3KA3	.35
" " collar	a3KA4	.35
" " nut	a3KA5	.38
stud	3KA6	.28
COPY BRACKET group	**Xa3KA**	**2.90**

4KA—Copy Holder	a4KA1	1.44
paper guide	a4KA3	.26
roller (2)	a4KA4	.32
" bracket (2)	b4KA5	.87
" " plug screw (2) **2256**	b4KA6	.04
" " screw (2) **246**	a4KA7	.05
" spring (2) **6183**	a4KA8	.04
" " plunger (2)	a4KA9	.01
thumb screw	a4KA2	.39
COPY HOLDER group	**Xa4KA**	**4.75**

5KA—Copy Hook	5KA1	.22
ring	5KA2	.53
COPY HOOK group (2) (each)	**X5KA**	**.75**

6KA—Keybank (left)	6KA1	10.56
bracket (left)	6KA2	1.77
" " screw (2) **238**	6KA3	.08
" (right)	6KA4	1.77
" " screw (2) **236**	6KA5	.08
button (designate by character) (138)	6KA6	.08
" lever (regular) (lug to left) (71)	6KA7	.05
" " (") (" " right) (67)	6KA8	.05
" " (justifying space) (2)	6KA9K	*
" " abutment rod (13)	6KA10	.06
" " fulcrum rod (13)	6KA11	.09
" " " " sleeve (long)	6KA12	.22
" " tie bar (lower)	6KA14	*
" " " " rivet (4) **7167**	6KA15	★.04
" " " " (upper)	6KA16K	†
" " " " finger plate	6KA17	†
number (in 6KA1) (3)	a6KA18	.08
KEYBANK group (left)	**X6KA**	**35.75**

*6KA9K is assembled with 6KA14 and 6KA15. Price assembled .63

†6KA16K is assembled with 6KA17. Price assembled is .35

7KA—Keybank (right)	7KA1	10.56
bracket (left)	7KA2	1.77
" " screw (2) **236**	7KA3	.08
" (right)	7KA4	1.77
" " screw (2) **238**	7KA5	.08

7KA—Keybank (continued)

button (designate by character) (138)	7KA6	.08
" lever (regular) (lug to left) (72)	7KA7	.05
" " (") (" " right) (66)	7KA8	.05
" " (justifying space) (2)	7KA9K	*
" " abutment rod (13)	7KA10	.06
" " fulcrum rod (13)	7KA11	.09
" " " " sleeve (long)	7KA12	.22
" " tie bar (lower)	7KA14	*
" " " " rivet (4) **7167**	7KA15	★.04
" " " " (upper)	7KA16K	†
" " " " finger plate	7KA17	†
number (in 7KA1) (3)	a7KA18	.08
KEYBANK group (right)	**X7KA**	**35.75**

*7KA9K is assembled with 7KA14 and 7KA15. Price assembled .63

†7KA16K is assembled with 7KA17. Price assembled is .35

8KA—Keybar (left bank) (designate as stamped) (143)	8KA1	★.60
frame	b8KA2K	*
" pin	a8KA3	★.08
guide (front)	c8KA9K	†
" brace	a8KA18	†
" " rivet (2) **7222**	a8KA19	★.05
" screw (2) **223**	a8KA10	★.09
" (rear)	a8KA13	*
" screw (2) **227**	a8KA14	★.09
number (3)	8KA16	★.08
stop bar	b8KA11	*
" " screw (3) **233**	a8KA12	★.08
KEYBAR (left bank) group	**X8KA**	**35.75**

*b8KA2K is assembled with 8KA1, a8KA3, c8KA9K, a8KA10, b8KA11, a8KA12, a8KA13, a8KA14 and 8KA16. Order by the complete symbol X8KA.

†c8KA9K is assembled with a8KA18 and a8KA19. Price assembled 4.37

9KA—Keybar (right bank) (designate as stamped) (143)	9KA1	★.60
frame	b9KA2K	*
" pin	a9KA3	★.08
guide (front)	c9KA9K	†
" brace	a9KA18	†
" " rivet (2) **7222**	a9KA19	★.05
" screw (2) **223**	a9KA10	★.09
" (rear)	a9KA13	*
" screw (2) **227**	a9KA14	★.09
number (3)	9KA16	★.08
stop bar	b9KA11	*
" " screw (3) **233**	a9KA12	★.08
KEYBAR (right bank) group	**X9KA**	**35.75**

*b9KA2K is assembled with 9KA1, a9KA3, c9KA9K, a9KA10, b9KA11, a9KA12, a9KA13, a9KA14 and 9KA16. Order by the complete symbol X9KA.

†c9KA9K is assembled with a9KA18 and a9KA19. Price assembled 4.37

10KA—Name Plate (large) (Style D Keyboard only)	10KA1	.74
screw (for 10KA1) (4) **251**	10KA2	.05
NAME PLATE group	**X10KA**	**.94**
For Duplex Keyboard only:		
NAME PLATE	10KA5	.74
screw (for 10KA5) (4) **251**	10KA6	.05
NAME PLATE group	**X10KA5**	**.94**

11KA—Rock Shaft (33)	11KA1K	*
post (long) (6 in each shaft) (198)	11KA2	*
" (short) (2 in each shaft) (66)	11KA3	*
rod (long) (2 in each shaft) (66)	11KA4	*
" (short) (1 to each shaft) (33)	11KA5	*
ROCK SHAFT group	**X11KA**	**72.27**

*Each ROCK SHAFT 11KA1K is assembled with six 11KA2, two 11KA3, two 11KA4 and one 11KA5. Price each 2.19

12KA—Rock-shaft Bracket (left)	12KA1	5.83
(right)	12KA2	5.83
connecting bar (front)	a12KA3K	*
" " pin (in a12KA3K) (2) **7223**	a12KA20	★.08
" " guide (for Xb13KA) (front) (2)	12KA4	.38
" " " screw (4) **233**	12KA5	.08
" " screw (front) (2) **232**	12KA6	.08
" " " (side) (2) **235**	12KA7	.08
" " (rear)	b12KA8K	†
" " stop (in b12KA8K) (2)	a12KA19	★.10
" " guide (for Xb13KA) (rear) (2)	c12KA9	.38
" " " screw (4) **233**	12KA10	.08
" " screw (large) (2) **214**	12KA11	.11
" " " (small) (2) **235**	12KA12	.08
" " tie bar	12KA13	5.09
" " " " screw (2) **223**	12KA14	.09
screw (8) **2168**	12KA15	.09
stop bar (2)	12KA16	.38
stop-bar lock (2)	a12KA21	.11
Rock-shaft Bracket group **Xd12KA**		‡

*a12KA3K is assembled with a12KA20. Price assembled 5.80

†b12KA8K is assembled with a12KA19. Price assembled 7.74

‡Xd12KA is assembled with X11KA. Price assembled is **107.30**

13KA—Valve Bar C, M, L, J, G, D, N, F, O, H, I, K, E, 17, S, A (1 each)	b13KA1K to b13KA16K inclusive.	*
JD	13KA17K	‡
plate	13KA18	★.08
" rivet (2) **7167**	13KA19	★.04
R	13KA20K	§
plate	13KA21	★.08
" rivet (2) **7167**	13KA22	★.04
B, 8, 6, 3, 12, 1, 9, 16, 7, 14, 2, 10, 13, 5, 15, 4, 11 (1 each)	b13KA23K to b13KA39K inclusive.	*
JD	a13KA48K	†
extension (68)	a13KA49	*†
" bell crank (33)	a13KA50	*
" " " bearing (33)	a13KA54	*
lug (JD)	a13KA52	†
rivet (69) **7167**	a13KA53	*†
Valve Bar group **Xb13KA**		26.64

*b13KA1K to b13KA16K inclusive and b13KA23K to b13KA39K inclusive are each assembled with a13KA49, a13KA50, a13KA54 and a13KA53. Price assembled (each) .74

†a13KA48K is assembled with a13KA49, a13KA52 and a13KA53. Price assembled .74

‡13KA17K is assembled with 13KA18 and 13KA19. Price assembled .74

§13KA20K is assembled with 13KA21 and 13KA22. Price assembled .74

14KA—Valve Returning Rock Shaft	a14KA1K	*
fulcrum screw (2)	14KA2	.09
" " nut (2) **314**	14KA3	.08
finger (2)	14KA4	★.15
operating arm	14KA5	★.23
" " rod	14KA6	.39
" " " head	14KA7	.23
" " " nut **31**	14KA8	.06
" " " spring **6139**	14KA9	.09
" " " washer **436**	14KA10	.05
Valve Returning Rock Shaft group. **Xa14KA**		3.35

*a14KA1K is assembled with 14KA4 and 14KA5. Price assembled 2.19

15KA—Copy-hook-ring Screw **29**	15KA1	.12
16KA—Justifying Space Cut Out	a16KA1	.29
operating rod	16KA2	.15
" " guide block	16KA3	.87
" " " " screw **127**	16KA4	.08
" " head	16KA5	.23
Justifying Space Cut Out group **Xa16KA**		1.62

(Duplex Keyboards double the above quantities)

For Duplex Keyboard only:

18KA—Justifying-space-cut-out Support (right) (for 16KA3)	**18KA1**	**.29**

For Duplex Keyboard only:

19KA—Justifying-space-cut-out Support (left) (for 16KA3)	**19KA1**	**.29**
24KA—Copy Holder (twenty-inch)	24KA1	2.71
paper guide	24KA3	.56
roller (2)	24KA4	.55
" bracket (2)	a24KA5	.87
" " plug screw (2) **2256**	a24KA6	.04
" " screw (2) **246**	24KA7	.05
" spring (2) **6183**	24KA8	.04
" " plunger (2)	24KA9	.01
thumb screw	24KA2	.39
Copy Holder group **X24KA**		6.80
25KA—Copy Lamp		
(16 c. p.) (specify voltage)	25KA1	.45
cord insulator (short) (in 26KA2)	25KA2	.10
" " (long) (in b1KA1)	25KA3	.10
" plug	25KA4	.34
shade	25KA5	.79
socket (Hubbell)	25KA6	.52
Copy Lamp group **X25KA**		2.30
26KA—Copy-lamp Cord	26KA1	.28
tube	26KA2	.74
Copy-lamp Cord group **X26KA**		1.02

For Duplex Keyboard only:

27KA—Copy-lamp Cord	27KA1	.28
tube	27KA2	.74
Copy-lamp Cord group **X27KA**		1.02
28KA—Copy-lamp-tube Clamp (inside)	28KA1	.44
(outside)	28KA2	.39
stud	28KA3	1.46
" nut	28KA4	.38
Copy-lamp-tube Clamp group **X28KA**		2.67
29KA—Copy-lamp-tube-clamp Base	29KA1	1.12
screw (2) **232**	29KA2	.08
Copy-lamp-tube-clamp Base group **X29KA**		1.28

For Duplex Keyboard only:

30KA—Copy-lamp-tube-clamp Base	30KA1	1.12
screw (2) **2198**	30KA2	.09
Copy-lamp-tube-clamp Base group **X30KA**		1.30
31KA—Engine Beam **31KA1**		4.41
32KA—Engine-beam Fulcrum Rod	32KA1	.39
cotter (2) **97**	32KA2	.00
Engine-beam Fulcrum Rod group **X32KA**		.39
33KA—Engine Bracket	33KA1	10.92
cylinder head (lower)	33KA2	.38
" " (upper)	33KA3	.38
" plug screw (2) **2235**	33KA4	.04
" piston (upper)	33KA5	.38
" " (lower)	a33KA9	.38
" " stop	33KA6	.22
" " " nut **35**	33KA7	.06
screw (2) **221**	33KA8	.09
Engine Bracket group **X33KA**		12.98
34KA—Engine Latch	a34KA3	3.64
pin	34KA2	.05
Engine Latch group **X34KA**		3.69

35KA—Engine-latch Bracket	35KA1	2.21
screw (2) **222**	35KA2	.09
spring post **889**	35KA3	.08
ENGINE-LATCH BRACKET group	**X35KA**	**2.47**
36KA—Engine-latch Fulcrum Stud	a36KA1	.34
cotter **94**	36KA3	.00
nut **35**	36KA2	.06
spring **6136**	a36KA4	.08
ENGINE-LATCH FULCRUM STUD group	**X36KA**	**.48**
37KA—Engine-latch Lever	37KA1	*
*This part will no longer be furnished. Order instead ENGINE LATCH complete X34KA.		
38KA—Engine-latch Spring **610**	**38KA1**	**.08**
39KA—Engine-latch Tie Plate (2)	39KA1	.09
bolt **242**	39KA2	.06
" nut **33**	39KA3	.06
ENGINE-LATCH TIE PLATE group	**X39KA**	**.30**
NOTE: These parts will be furnished only for repairs since they have been superseded by the ENGINE LATCH X34KA.		
40KA—Engine Pipe (to lower Piston)	40KA1	★.39
(to upper Piston)	40KA2	★.39
connection (upper)	40KA3K	*
" screw (upper) (2) **232**	40KA4	.08
" (lower)	40KA5	*
" screw (2) **2225**	40KA6	.09
ENGINE VALVE	40KA7	.44
body	40KA8	3.65
" head (upper)	40KA9	.15
" " (lower)	a40KA12	.39
" oil pipe	a40KA13†	.29
" " " cap	a40KA14	.09
pipe	40KA10	★.39
spring **6135**	40KA11	.08
engine check valve (2)	a40KA15	.29
" " " body	a40KA16	1.26
" " " nut (2) **35**	a40KA17	.06
ENGINE PIPE group	**X40KA**	**9.41**
*40KA3K is assembled with 40KA1, 40KA2, 40KA5 and 40KA10. Price assembled 2.02		
†If ENGINE VALVE is not already equipped with OIL PIPE, order together a40KA12, a40KA13 and a40KA14. Price .77		
44KA—Keybutton Clips	**X44KA**	**.11**

Section KB

Mechanisms for counting and registering ems and units, justifying spaces, and lines set; for indicating the proper justification; and for driving and reversing these mechanisms.

1KB—Bell	a1KB1	.84
bracket	b1KB2K	*
" clamp (for a23KB1)	1KB3	.10
" " screw **247**	1KB4	.05
" piston	a1KB5	.44
" plug (head for cylinder)	1KB6	.38
" screw (long) **231**	1KB7	.09
" " (short) **233**	1KB8	.08
" spring post (for a2KB16) **885**	a1KB13	★.06
" " " (for 2KB12) **885**	1KB9	★.06
" stud (for a1KB1)	a1KB10	★.22
" " nut **35**	1KB11	.06
screw **232**	a1KB12	★.08
BELL group	**Xa1KB**	**7.92**
*b1KB2K is assembled with 1KB9, a1KB10, a1KB12 and a1KB13. Price 5.88		
(Duplex Keyboards double the above quantities)		
Keyboards prior to 6966 were equipped with:		
BELL	1KB1	1.11
bracket	a1KB2K	*

1KB—Bell (continued)		
bracket stud	1KB10	★.22
screw **234**	1KB12	.08
*a1KB2K is assembled with 1KB9, 1KB10, 1KB11 and a1KB13. Price 5.88		
(Duplex Keyboards double the above quantities)		
2KB—Bell Hammer	a2KB1K	*
head	2KB2	*
lever	a2KB3K	†
" bell crank	a2KB6	★.25
" " " pin	a2KB10	★.01
" fulcrum stud	2KB4	.19
" " " collar **447**	a2KB11	★.08
" " " nut **35**	2KB5	.06
spring **614**	2KB12	.08
" post	2KB13	★.07
stud	2KB14	.15
" nut **33**	2KB15	.06
lever bell crank spring **6132**	a2KB16	.14
BELL HAMMER group	**Xb2KB**	**3.00**
*a2KB1K is assembled with 2KB2 and 2KB13. Price assembled .53		
†a2KB3K is assembled with a2KB6, a2KB10 and a2KB11. Price assembled 1.79		
(Duplex Keyboards double the above quantities)		
Keyboards prior to 6966 were equipped with:		
BELL HAMMER	2KB1K	*
*2KB1K is assembled with 2KB2 and 2KB13. Price assembled .53		
(Duplex Keyboards double the above quantities)		
3KB—Bell Trip Lever	3KB1	.39
spring **6120**	3KB2	.08
stud	3KB3	.07
BELL TRIP LEVER group	**X3KB**	**.54**
(Duplex Keyboards double the above quantities)		
4KB—Em Rack	a4KB1K	*
bell trip	4KB2	★.06
pointer	a4KB3	★.22
EM RACK group	**Xa4KB**	**2.92**
*a4KB1K is assembled with 4KB2 and a4KB3. Order by complete symbol Xa4KB.		
(Duplex Keyboards double the above quantities)		
Keyboards equipped with Ninety-em Scale use:		
EM RACK	a4KB4K	*
*a4KB4K is assembled with 4KB2 and a4KB3. Price assembled 6.56		
5KB—Em-rack Slide	b5KB1K	*
head	5KB2	★1.47
" screw (2) **233**	5KB3	★.08
screw (2) **113**	5KB4	.11
spring post **868**	5KB6	★.06
EM-RACK SLIDE group	**Xb5KB**	**10.80**
*b5KB1K is assembled with 5KB2, 5KB3, and 5KB6. Price assembled 10.58		
(Duplex Keyboards double the above quantities)		
Keyboards equipped with Ninety-em Scale use:		
EM-RACK SLIDE	a5KB7K	†
†a5KB7K is assembled with 5KB2, 5KB3, and 5KB6. Price assembled 29.14		
6KB—Em-rack Stop (left handle)	b6KB1	2.56
(right handle)	a6KB2	2.92
pointer	6KB3K	*
" guide pin	6KB4	*
spring (2) **6161**	a6KB7	.08
stud	6KB6	.12
EM-RACK STOP group	**Xa6KB**	**6.57**
*6KB3K is assembled with 6KB4. Price assembled is .81		
(Duplex Keyboards double the above quantities)		

7KB—Em-rack-stop Rack b7KB1 1.46
hook 7KB2 .27
" spring **688** 7KB3 .13
EM-RACK-STOP RACK group **Xb7KB 1.86**
(Duplex Keyboards double the above quantities)

Keyboards equipped with Ninety-em Scale use:
EM-RACK-STOP RACK a7KB4 2.02

8KB—Em-rack-stop-rack Adjusting Screw b8KB1K *
head a8KB2 *
" pin **7159** 8KB3 *
EM-RACK-STOP-RACK ADJUSTING SCREW group **Xa8KB 1.40**
*b8KB1K is assembled with a8KB2 and 8KB3. Order by complete symbol Xa8KB.
(Duplex Keyboards double the above quantities)

9KB—Em Scale a9KB1K *
clip (2) a9KB5 .12
holder a9KB2 *
" screw (2) a9KB3 .09
EM SCALE group **Xa9KB 3.32**
*a9KB1K is assembled with a9KB2. Price assembled is 2.90
(Duplex Keyboards double the above quantities)

EM SCALE (for Centering and Quadding Attachment) a9KB10K *
holder a9KB2 *
*a9KB10K is assembled with a9KB2. Price assembled is 2.90

Keyboards equipped with Ninety-em Scale use:
EM SCALE a9KB6K ‡
holder a9KB7 ‡
‡a9KB6K is assembled with a9KB7. Price assembled is 3.65

EM SCALE (for Centering and Quadding Attachment) a9KB11K *
holder a9KB7 *
*a9KB11K is assembled with a9KB7. Price assembled is 3.65

10KB—Justifying Scale for standard composition (designate by set) **10KB1 3.50**
for fourteen- and eighteen-point composition (designate by set) **10KB2 3.50**

For justifying typewriter composition the same as ordinary type faces are justified the following special Justifying Scales are furnished:

JUSTIFYING SCALE (10 to inch typewriter) **10KB3 3.50**
JUSTIFYING SCALE (12 to inch typewriter) **10KB4 3.50**
JUSTIFYING SCALE (14 to inch typewriter) **10KB8 3.50**
JUSTIFYING SCALE (18 to inch typewriter) **10KB9 3.50**

NOTE: Either regular printer's type or short type can be justified. Full directions for use are printed on the SCALE. No special equipment nor adjustments are required at the CASTING MACHINE which is run with the same equipment as if the matter were not to be justified.

11KB—Justifying-scale Driving Rack a11KB1 3.05
adjusting sleeve a11KB4 .28
" " nut b11KB5 .12
piston a11KB2 1.11
rod b11KB3 .83
JUSTIFYING-SCALE DRIVING RACK group **Xa11KB 5.39**
(Duplex Keyboards double the above quantities)

12KB—Justifying-scale Gear **12KB1 4.14**
(Duplex Keyboards double the above quantity)

Keyboards prior to D8716, DD8603 (except D8707) were equipped with:
JUSTIFYING-SCALE GEAR stud 12KB2
NOTE: The part is obsolete and will no longer be furnished, order instead the improved STUD a46KB32 to prevent it from working loose. The improved part a46KB32 is forced in place instead of being screwed in, which prevents it from working loose. The new STUD a46KB32 can be applied to an old UNIT-WHEEL-STANDARD CAP if the old CAP is sent in to our factory.

13KB—Justifying-scale Pinion 13KB1K *
pin (3) 13KB2 ★.06
post (for 69KB6) **869** 13KB3 ★.05
stud a13KB5 1.11
JUSTIFYING-SCALE PINION group **X13KB 3.67**
*13KB1K is assembled with 13KB2 and 13KB3. Price assembled 2.56
(Duplex Keyboards double the above quantities)

14KB—Justifying-scale Pointer b14KB1K *
bracket a14KB2 .38
" screw **134** a14KB9 .08
plate a14KB10 *
" rivet a14KB11 *
rack a14KB3K †
" nut (for a14KB2) **35** 14KB4 .06
" pin (trip for a31KC21) a14KB5 ★.05
JUSTIFYING-SCALE POINTER group **Xa14KB 4.54**
*b14KB1K is assembled with a14KB10 and a14KB11. Price assembled .38
†a14KB3K is assembled with a14KB5. Price assembled 3.64
(Duplex Keyboards double the above quantities)

15KB—Justifying-scale-pointer Detent Pawl 15KB1K *
pin 15KB2 ★.05
spring **6121** 15KB3 .08
" post (in Pawl) **887** 15KB4 ★.06
JUSTIFYING-SCALE-POINTER DETENT PAWL group **X15KB .79**
*15KB1K is assembled with 15KB2 and 15KB4. Price assembled .71
(Duplex Keyboards double the above quantities)

16KB—Justifying-scale-pointer Lifting Pawl 16KB1K *
pin 16KB2 ★.05
spring **6120** 16KB3 .08
" post (in Pawl) **887** 16KB4 ★.06
JUSTIFYING-SCALE-POINTER LIFTING PAWL group **X16KB .79**
*16KB1K is assembled with 16KB2 and 16KB4. Price assembled .71
(Duplex Keyboards double the above quantities)

17KB—Justifying-scale-pointer Operating Lever 17KB1K *
fulcrum stud 17KB2 .26
" " nut **35** 17KB3 .06
piston link 17KB4 .22
stud (for 16KB1K) 17KB5 ★.06
" (for 17KB4) a17KB6 ★.10
" cotter (for a17KB6) **97** a17KB7 ★.00
" washer (for a17KB6) **439** a17KB8 ★.05
JUSTIFYING-SCALE-POINTER OPERATING LEVER group **X17KB 2.38**
*17KB1K is assembled with 17KB5, a17KB6, a17KB7 and a17KB8. Price assembled 1.84
(Duplex Keyboards double the above quantities)

8554

18KB—Justifying-scale-pointer-pawl-spring Post (in a46KB1K, for 15KB3) ..... 879.. 18KB1 .14
nut ..... 33.. 18KB2 06
plate (for 16KB3) ..... 18KB3 .15
JUSTIFYING-SCALE-POINTER-PAWL-SPRING POST group ..... **X18KB .35**
(Duplex Keyboards double the above quantities)

19KB—Justifying-scale-pointer-rack Guide Plate ..... a19KB1 .87
screw (4) ..... 2166.. 19KB2 .06
JUSTIFYING-SCALE-POINTER-RACK GUIDE PLATE group **Xa19KB 1.11**
(Duplex Keyboards double the above quantities)

23KB—Line Counter a23KB1 3.30
split collar (on shaft) ..... a23KB2 .53
" " clamp screw ..... 2170.. 23KB3 .05
LINE COUNTER group **Xa23KB 3.88**
(Duplex Keyboards double the above quantities)

24KB—Restoring Rocker Arm ..... 24KB1K *
fork ..... 24KB2 .29
link (for 24KB4K) ..... 24KB3 .22
" lever (for raising a38KB1K) ..... 24KB4K †
" " fulcrum stud ..... 24KB5 .22
" " " " nut ..... 35.. 24KB6 .06
" " stud (for 24KB3) ..... a24KB7 ★.10
" " " cotter ..... 97.. a24KB8 ★.00
" " " washer ..... 439.. a24KB9 ★.05
piston link ..... 24KB10 .22
shaft ..... a24KB11 .22
" nut ..... 31.. a24KB22 .06
" set screw ..... 2197.. 24KB12 .04
" washer ..... 436.. a24KB23 .05
stud (for 24KB2) ..... a24KB13 ★.10
" cotter ..... 97.. a24KB14 ★.00
" washer ..... 439.. a24KB15 ★.05
" (for 24KB3) ..... a24KB16 ★.10
" cotter ..... 97.. a24KB17 ★.00
" washer ..... 439.. a24KB18 ★.05
" (for 24KB10) ..... a24KB19 ★.10
" cotter ..... 97.. a24KB20 ★.00
" washer ..... 439.. a24KB21 ★.05
RESTORING ROCKER ARM group **Xa24KB 7.21**
*24KB1K is assembled with a24KB13 to a24KB21 inclusive. Price 3.64
†24KB4K, is assembled with a24KB7, a24KB8 and a24KB9. Price 2.19
(Duplex Keyboards double the above quantities)

25KB—Unit Indicator ..... a25KB1 .29
bracket ..... a25KB2 .44
" screw ..... 240.. 25KB3 .06
" " washer ..... 440.. a25KB6 .05
screw (2) ..... 252.. a25KB5 .04
UNIT INDICATOR group ..... **X25KB .92**
(Duplex Keyboards double the above quantities)

26KB—Unit Rack **d26KB1 2.65**
(Duplex Keyboards double the above quantity)

Keyboards D6133, 6137, 6263, 6265, 6332, 6333, 6335, 6336, 6338 to 6341 inclusive, 6344, 6350, 6353, 6360 to 6369 inclusive, 6405 to 6414 inclusive, 6417, 6418, 6420, 6422 to 6443 inclusive, 6447 to 6943 inclusive; DD6043, 6387, 6389 to 6394 inclusive, 6396 to 6400 inclusive, 6451 to 6968 inclusive, were equipped with:
UNIT RACK **c26KB1 2.05**
(Duplex Keyboards double the above quantity)

27KB—Unit-rack Abutment b27KB1 1.84
bracket ..... c27KB5K *
" cover ..... a27KB11K †
" " block ..... a27KB12 ★.04
" " screw (3) ..... 260.. a27KB13 .04
" spring post (for X74KB) ..... a27KB17 ★.06

27KB—Unit-rack Abutment (continued)
bracket stud (3) ..... 124.. 27KB7 .08
" " washer (3) ..... 420.. 27KB8 .05
detent ..... a27KB14 .74
" spring ..... 6223.. a27KB15 .00 .35
spring (for b27KB1) ..... 6115.. a27KB16 .00 .35
UNIT-RACK ABUTMENT group **Xc27KB 5.87**
*c27KB5K is assembled with a27KB17. Price assembled is 2.21
†a27KB11K is assembled with a27KB12. Price assembled ..... .39
(Duplex Keyboards double the above quantities)

Keyboards D6133, 6137, 6263, 6265, 6332, 6333, 6335, 6336, 6338 to 6341 inclusive, 6344, 6350, 6353, 6360 to 6369 inclusive, 6405 to 6414 inclusive, 6417, 6418, 6420, 6422 to 6443 inclusive, 6447 to 6943 inclusive; DD6043, 6387, 6389 to 6394 inclusive, 6396 to 6400 inclusive, 6451 to 6968 inclusive, were equipped with:
UNIT-RACK ABUTMENT **a27KB1 1.84**
(Duplex Keyboards double the above quantity)

28KB—Unit-rack-abutment Adjusting Stud (in a46KB1K) ..... 28KB1 .15
nut ..... 35.. 28KB2 .06
UNIT-RACK-ABUTMENT ADJUSTING STUD group ..... **X28KB .21**
(Duplex Keyboards double the above quantities)

29KB—Unit-rack Slide ..... c29KB1K *
eccentric bushing ..... 29KB2 .45
guide ..... b29KB7 *
" rivet (3) ..... 7187.. b29KB8 ★.01
shoe (for 38KB6) ..... 29KB3 ★.29
" rivet (2) ..... 7168.. 29KB4 ★.04
stud (for b38KB12) ..... a29KB5 .16
" nut ..... 35.. a29KB6 .06
UNIT-RACK SLIDE group **Xb29KB 6.55**
*c29KB1K is assembled with 29KB3, 29KB4, b29KB7 and b29KB8. Price assembled 5.88
(Duplex Keyboards double the above quantities)

Keyboards D3601 to 6943 inclusive; DD3601 to 6968 inclusive (except D6916 to 6925 inclusive, for which see above) were equipped with:
UNIT-RACK SLIDE ..... a29KB1K *
shoe (for 38KB6) ..... 29KB3 .29
" rivet (2) ..... 7168.. 29KB4 .04
and omit a29KB7 and a29KB8.
*a29KB1K is assembled with 29KB3 and 29KB4. Price assembled 5.11
(Duplex Keyboards double the above quantities)

30KB—Unit-rack-slide Abutment ..... 30KB1 .29
adjusting screw (2) ..... 30KB2 .10
stud ..... 127.. 30KB3 .08
UNIT-RACK-SLIDE ABUTMENT group ..... **X30KB .57**
(Duplex Keyboards double the above quantities)

31KB—Unit-rack Stop
(lug on top) (1st, 3d, 5th, 7th, 9th, 11th, 13th, 15th, 17th) (9) ..... 31KB1 .96
(lug on bottom) (2d, 4th, 6th, 8th, 10th, 12th, 14th, 16th, 18th) (9) ..... 31KB2 .96
bracket ..... a31KB3K *
" guide (right) ..... a31KB4 ★.66
" " (left) ..... a31KB5 ★.66
" " rivet (4) ..... 7140.. a31KB6 ★.01
" screw (4) ..... 2198.. 31KB7 .09
fulcrum rod ..... 31KB8 .22
" " cotter (2) ..... 95.. 31KB9 .00
liner (.01" thick) (17) ..... 31KB10 .04
" rod (2) ..... 31KB11 .15
" " cotter (4) ..... 95.. 31KB12 .00
" separator (18) ..... 31KB13 .06
spring (4) ..... 6121.. a31KB14 .08
" bail (2) ..... a31KB15 .22

31KB—Unit-rack Stop (continued)

spring pin (2)	a31KB16	★.06
" rod	a31KB17	★.09
UNIT-RACK STOP group	**X31KB**	**28.70**

*a31KB3K is assembled with a31KB4, a31KB5, a31KB6, a31KB16 and a31-KB17. Price assembled..... 8.02

NOTE: UNIT-RACK STOPS are numbered beginning at the left; that is, the four-unit STOP is No. 1, the five-unit STOP is No. 2, etc.

(Duplex Keyboards double the above quantities)

When ordering the following designate arrangement of Stopbar: for example S5, S15, etc.

32KB—Unit-rack-stop Bar (plain) (11)	32KB1K	*
(with Block, Spring Plate and Rivets) (2)	32KB2	*
case	a32KB3	*
" cap	32KB4	★.38
" " screw (2) **251**	32KB5	★.05
" dummy plate (5)	32KB6	★.09
" separator (17)	32KB7	★.09
" " rod (lower)	a32KB8	★.09
" " " collar (2) **453**	a32KB9	★.06
" " " (upper)	a32KB10	★.09
" " washer (26) **438**	32KB11	★.05
" shoe (lower)	a32KB12	★.29
" " (upper)	a32KB13	★.44
" " screw (4) **2160**	32KB14	★.05
" spring post (for 32KB16) (2)	32KB15	★.05
spring (for 9- and 10-unit Bars) (2) **6166**	32KB16	★.09
UNIT-RACK-STOP BAR group	**X32KB**	**22.00**

*32KB1K is assembled with 32KB2, a32KB3, 32KB4, 32KB5, 32KB6, 32-KB7, a32KB8, a32KB9, a32KB10, 32-KB11, a32KB12, a32KB13, 32KB14, 32KB15 and 32KB16. Order by complete symbol X32KB.

(Duplex Keyboards double the above quantities)

For composing typewriter faces either in standard type or short type, the regular Stopbars are replaced by a special Stopbar marked "Typewriter Attachment" which registers all characters the same width:

Typewriter Attachment, price..... **11.00**

NOTE: At the CASTING MACHINE the DISPLAY TYPE NORMAL WEDGE is required, or the special TYPEWRITER WEDGE (Xa21D7) which is used principally for short type to cast 10, 12, 14, and 18 to the inch on a given MOLD without change of adjustment except moving the WEDGE from one position to another.

33KB—Unit-rack Stop Guide	a33KB1	2.19
adjusting screw **2186**	a33KB4	.06
" " nut **35**	a33KB5	.06
UNIT-RACK-STOP GUIDE group	**Xa33KB**	**2.31**

(Duplex Keyboards double the above quantities)

34KB—Unit-rack-guide-stop Abutment	a34KB5	.13
bracket	a34KB2	1.61
" screw (2) **223**	34KB3	.09
spring **630**	a34KB6	.12
UNIT-RACK STOP-GUIDE ABUTMENT group	**Xa34KB**	**2.04**

(Duplex Keyboards double the above quantities)

35KB—Unit Wheel	b35KB1K	*
rivet (6) **7199**	35KB3	★.01
shaft	a35KB2	*
UNIT WHEEL group	**Xb35KB**	**7.30**

*b35KB1K is assembled with a35KB2 and 35KB3. Order by complete symbol Xb35KB.

(Duplex Keyboards double the above quantities)

36KB—Unit-wheel Driving Cylinder (2)	a36KB1	2.92
head (right)	36KB2	2.21
" (left)	a36KB7	2.21

36KB—Unit-wheel Driving Cylinder (continued)

head abutment	a36KB8	.44
" " spring **6151**	a36KB9	.06
" " stud	a36KB10	.14
ring (2)	36KB3	.87
" pipe (2)	a36KB4	.53
" " union (male end) (2)	36KB5	.09
" " " nut (2)	36KB6	.15
UNIT-WHEEL DRIVING CYLINDER group	**Xa36KB**	**14.18**

(Duplex Keyboards double the above quantities)

Keyboards equipped with Ninety-em Scale use:

UNIT-WHEEL DRIVING CYLINDER (2)	a36KB11	3.64
ring pipe (2)	a36KB12	.74

37KB—Unit-wheel Driving Rack..... a37KB1 4.37

piston (2)	37KB2	.59
" packing (leather) (2)	37KB3	.12
" stud (2)	37KB4	.05
" washer (2) **445**	a37KB5	.05
" " screw (2) **237**	a37KB6	.08
rider (stop for a11KB1)	a37KB7	1.66
UNIT-WHEEL DRIVING RACK group	**Xb37KB**	**7.81**

(Duplex Keyboards double the above quantities)

Keyboards equipped with Ninety-em Scale use:

UNIT-WHEEL DRIVING RACK..... **a37KB9** **7.28**

38KB—Unit-wheel Pawl	a38KB1K	*
bushing	38KB2	*
" collar	38KB3	*
connecting link (2)	38KB4	*
" " pin (2)	a38KB5	★.05
latch (lock for c29KB1K)	38KB6	*
" operating link (front)	a38KB7	*
" " " (rear)	a38KB14	*
" " " bushing (fulcrum)	a38KB8	*
" " " pin (latch end)	38KB9	★.06
" " " rivet (2) **7231**	a38KB10	★.04
" " " separator	38KB11	*
operating lever (also raises c29KB1K)	b38KB12	*
" " oil pad	a38KB13	★.04
UNIT-WHEEL PAWL group	**Xa38KB**	**8.35**

*a38KB1K is assembled with 38KB2 to 38KB11 inclusive, b38KB12, a38KB13 and a38KB14. Order by complete symbol Xa38KB.

NOTE: We cannot furnish repair parts for the UNIT-WHEEL PAWL (except the Pins, Rivets and Oil Pad).

(Duplex Keyboards double the above quantities)

39KB—Unit-wheel-pawl Adjusting Bar	39KB1	.59
nut (2) **33**	39KB2	.06
UNIT-WHEEL-PAWL ADJUSTING BAR group	**X39KB**	**.71**

(Duplex Keyboards double the above quantities)

40KB—Unit-wheel-pawl-latch Spring .....**6160**.. **a40KB1** **.09**

(Duplex Keyboards double the above quantity)

41KB—Unit-wheel-pawl Spring **6148**	a41KB1	.14
felt (per set of 3 pieces)	a41KB4	.21
hook	a41KB2	.09
plate	a41KB3	.05
UNIT-WHEEL-PAWL SPRING group	**X41KB**	**.49**

(Duplex Keyboards double the above quantities)

42KB—Unit-wheel-pawl-spring Post (in a46KB1K)	42KB1	.23
nut **35**	42KB2	.06
UNIT-WHEEL-PAWL-SPRING POST group	**X42KB**	**.29**

(Duplex Keyboards double the above quantities)

43KB—Unit-wheel-pawl Stud..... **43KB1** **.15**

(Duplex Keyboards double the above quantity)

46KB—Unit-wheel Standard	a46KB1	*
cap (for a36KB1)	46KB2	*
" (for a36KB1)	b46KB23	★1.05
" (for a35KB2)	e46KB5K	*
" head	b46KB6	.74

46KB—Unit-wheel Standard (continued)

cap head pipe	a46KB8	.44
" " " union (male end) (2)	46KB9	.12
" " " " nut (2)	46KB10	.12
" screw (2) (for b46KB23) **222**	46KB3	★.09
" screw (4) (for b46KB5) **232**	46KB11	★.08
" stud (for 15KB1K)	46KB12	★.06
oil pipe	a46KB19	★.09
screw (4) **223**	46KB13	.09
spring post (for 3KB2) **851**	46KB14	★.06
" " (for a40KB1) **855**	46KB15	★.06
stud (for 29KB2)	46KB16	★.15
" nut **35**	46KB17	★.06
" washer **420**	46KB18	★.05
" for (12KB1)	a46KB32	★.43
" screw **2212**	a46KB33	.05
" " washer **436**	a46KB34	.05
UNIT-WHEEL STANDARD group	**Xe46KB**	**30.21**

*e46KB5K is assembled with a46KB1, 46KB2, 46KB3, 46KB11, 46KB12, 46-KB14 to 46KB18 inclusive, a46KB19, b46KB23 and a46KB32. Price assembled .28.09

NOTE: We will furnish NINETY-EM UNIT WHEEL STANDARD in exchange for customer's old SIXTY-FIVE-EM UNIT WHEEL STANDARD (STYLE D KEYBOARD only), f.o.b. Philadelphia .154.00

(Duplex Keyboards double the above quantities)

Keyboards D5920 to 8715 inclusive; DD6001 to 8602 inclusive (except D8707, for which see above) were equipped with:

UNIT-WHEEL STANDARD	e46KB5K	

NOTE: The improved part e46KB5K has the STUD a46KB32 forced in place instead of being screwed in, as was the superseded JUSTIFYING-SCALE-GEAR STUD 12KB2. The new STUD a46KB32 can be applied to an old UNIT-WHEEL STANDARD CAP if the old CAP is sent to our factory.

(Duplex Keyboards double the above quantity)

48KB—Unit-wheel Positioner‡

	b48KB1K	*
bracket	48KB2	*
" screw (2) **240**	48KB3	.06
" stud	48KB4	*
spring **6165**	48KB7	*
knob	a48KB8	*
UNIT-WHEEL POSITIONER group	**X48KB**	**7.40**

and alter b46KB5 to suit.

*b48KB1K is assembled with 48KB2, 48KB4, a48KB8 and 48KB7. Price assembled 7.28

‡The object of the UNIT-WHEEL POSITIONER is to facilitate the setting of the UNIT WHEEL in tabular work.

(Duplex Keyboards double the above quantities)

61KB—Illuminator

arm	61KB1	4.37
" screw (2) **2203**	61KB2	.08
cylinder	61KB3K	*
" bushing	61KB15	.38
lens	61KB5	★1.11
" clamp	61KB6	★1.11
" " lock bar	61KB7	★.22
" " screw (3) **251**	a61KB8	★.05
plate (lower)	61KB9	*
" (upper)	61KB10	*
scale	61KB11	★.39
shield	61KB12	*
" lock bar	61KB13	★.22
" screw (3) **251**	61KB14	★.05
ILLUMINATOR group	**X61KB**	**13.67**

*61KB3K is assembled with 61KB5, 61KB6, 61KB7, a61KB8 and 61KB9 to 61KB14 inclusive. Price assembled 8.76

62KB—Illuminator-arm Stud

	62KB1	.29
nut **35**	62KB2	.06
washer **419**	62KB3	.05
ILLUMINATOR-ARM STUD group	**X62KB**	**.40**

63KB—Switch Box

	b63KB1K	*
binding screw (3) **2233**	a63KB22	★.08
contact (left)	a63KB7	★.14
" (right)	a63KB8	★.14
" screw (2) **2233**	a63KB21	★.08
cover	a63KB2	★.74
" screw (4) **241**	a63KB3	★.06
inserts (for screws) (9)	a63KB23	*
SWITCH BOX group	**X63KB**	**3.64**

*b63KB1K is assembled with a63KB2, a63KB3, a63KB7, a63KB8, a63KB21, a63KB22, and a63KB23. Order by the complete symbol X63KB.

64KB—Switch-box Screw (upper) **2222**

	a64KB1	.09
(lower) **2164**	a64KB3	.08
nut **31**	64KB4	.06
SWITCH-BOX SCREW group	**Xa64KB**	**.23**

65KB—Switch Knife (copper)

	65KB1	*
body (fiber)	a65KB2K	*
brace	a65KB9	.13
" rivet **7169**	a65KB10	.04
distance washer	a65KB3	.08
fulcrum stud	a65KB4	.12
" " nut **33**	65KB5	.06
rivet **7209**	65KB6	*
SWITCH KNIFE group	**Xb65KB**	**.87**

*a65KB2K is assembled with 65KB1 and 65KB6. Price assembled .44

66KB—Illuminator Lamp

	66KB1	.77
cable (Lamp to Switch)	a66KB2	.39
" (Switch to Base)	a66KB3	.41
" insulator (fiber)	66KB4	.10
socket	66KB5	.36
" bushing	66KB6	.14
ILLUMINATOR LAMP group	**Xa66KB**	**2.17**

NOTE: DUPLEX KEYBOARDS use two each of 66KB1, a66KB2, 66KB4 and omitted a66KB3.

67KB—Attachment Plug (Edison Base)

	67KB1	.34
cable	67KB2	.34
ATTACHMENT PLUG group	**X67KB**	**.68**

68KB—Cut Out

	a68KB1	.50
jumper (No. 14B&S)	68KB4	.01
screw (2) **238**	a68KB7	.08
fuse plug (for 110-volt circuits)	68KB2	.14
lamp (for 220-volt circuits)	68KB5	.77
" adapter (for 68KB5)	68KB6	.14
resistance plug (takes place of 68KB5 on 220-volt circuits if carbon filament lamps are used) (cannot be used in series with Mazda lamps)	a68KB9	.49
fuse plug (when Copy Light is omitted)	68KB3	.14

69KB—Justifying-scale Weight

	69KB1	.83
bracket	69KB2	3.03
" rod (2)	69KB3K	*
" " screw (2)	69KB10	*
" sheave (2)	69KB4	.39
" " pin (2)	69KB5	.04
cord	69KB6	.11
plug	69KB7	.40
spring **6189**	69KB8	.09
" plunger	69KB9	.74
JUSTIFYING-SCALE WEIGHT group	**X69KB**	**7.38**

*Each ROD 69KB3K is assembled with one of 69KB10 (2). Price each assembled .66

(Duplex Keyboards double the above quantities)

70KB—Lamp Bracket (left)	70KB1	.44
(right)	70KB2	.44
insulator (2)	a70KB3	.12
screw (4) **233**	70KB4	.08
LAMP BRACKET group	**X70KB**	**1.44**

For Duplex Keyboard only:

71KB—Lamp Socket (2)	71KB1	.45
screw (2) **2207**	71KB2	.06
" nut (2) **35**	71KB3	.06
LAMP SOCKET group (2) (each)	**X71KB**	**.57**

For Duplex Keyboard only:

72KB—Plug Socket	72KB1	.42
screw (2) **242**	72KB4	.06
cable (left) (Switch to Piston-block Base)	a72KB2	1.11
" (right) (" " " " ")	a72KB3	1.11
PLUG SOCKET group	**X72KB**	**2.76**

73KB—Unit-rack Lever	73KB1K	*
hub	73KB2	*
" washer	73KB3	*
spring post	73KB4	★.06
UNIT-RACK LEVER group	**X73KB**	**.74**

*73KB1K is assembled with 73KB2, 73KB3 and 73KB4. Order by complete symbol X73KB.

(Duplex Keyboards double the above quantities)

74KB—Unit-rack-lever Spring **6193**	74KB1	.09
plate (2)	74KB2	.05
UNIT-RACK-LEVER SPRING group	**X74KB**	**.19**

(Duplex Keyboards double the above quantities)

76KB—Unit-rack-stop-guide Bracket	a76KB1	2.19
screw (2) **2221**	76KB2	.08
shoe	a76KB3	.15
" screw (2) **2251**	a76KB4	.05
UNIT-RACK-STOP-GUIDE BRACKET group	**X76KB**	**2.60**

(Duplex Keyboards double the above quantities)

Keyboards prior to 10283 were equipped with 76KB1, 76KB3 and 76KB4. The parts 76KB1 and 76KB3 are obsolete. When ordering the new style parts for the first time order the complete group X76KB.

UNIT-RACK-STOP-GUIDE BRACKET group	**X76KB**	**2.60**

Section KC

Mechanism for driving the Punches through the paper ribbon, and for feeding and winding the paper; also includes all air valves, pistons and air passages except those of the Unit-rack Driving Cylinders and Bell Mechanism.

1KC—Hose (rubber) (air supply) (42" long)	1KC1	1.05
coupling	1KC2	.55
" valve (3-8")	1KC3	2.00
nozzle	a1KC4	1.00
HOSE group	**X1KC**	**4.60**

2KC—Paper-feed-pawl Lever	a2KC1K	*
pin (operating 7KC1)	2KC2	★.06
stud (for a6KC1K)	a2KC3	★.10
" cotter **97**	a2KC4	★.00
" washer **439**	a2KC5	★.05
" (for 9KC2)	a2KC6	★.10
" cotter **97**	a2KC7	★.00
" washer **439**	a2KC8	★.05
" (for a21KC7)	a2KC9	★.10
" cotter **97**	a2KC10	★.00
" washer **439**	a2KC11	★.05
PAPER-FEED-PAWL LEVER group	**Xa2KC**	**2.49**

*a2KC1K is assembled with 2KC2 and a2KC3 to a2KC11 inclusive. Order by complete symbol Xa2KC.

(Duplex Keyboards double the above quantities)

3KC—Paper-feed-pawl Ring	3KC1K	*
adjusting screw (2)	3KC2	.10
screw (3)	3KC3	.10
stud (for 5KC1K)	a3KC4	★.10
" cotter **97**	a3KC5	★.00
" washer **439**	a3KC6	★.05
" (for 7KC1)	a3KC7	★.10
" cotter **97**	a3KC8	★.00
" washer **439**	a3KC9	★.05
PAPER-FEED-PAWL RING group	**X3KC**	**4.14**

*3KC1K is assembled with a3KC4 to a3KC9 inclusive. Price assembled 3.64

(Duplex Keyboards double the above quantities)

4KC—Paper-feed-piston Link (2)	4KC1	.22
lever	b4KC2K	*
" pin (2)	c4KC3	.10
" plate	a4KC9	.22
" stud (for 9KC2)	b4KC6	★.05
PAPER-FEED-PISTON LINK group	**X4KC**	**2.79**

*b4KC2K is assembled with b4KC6. Price assembled is 1.93

(Duplex Keyboards double the above quantities)

5KC—Paper-feed-ratchet Detent	5KC1K	*
pin (for 8KC1K)	5KC2	★.04
spring **672**	5KC3	.08
PAPER-FEED-RATCHET DETENT group	**X5KC**	**.64**

*5KC1K is assembled with 5KC2. Price assembled is .56

(Duplex Keyboards double the above quantities)

6KC—Paper-feed-ratchet Pawl (driving)	a6KC1K	*
pin (for 8KC1K)	b6KC2	★.04
spring **6120**	6KC3	.08
PAPER-FEED-RATCHET PAWL group	**Xa6KC**	**.64**

*a6KC1K is assembled with b6KC2. Price assembled is .56

(Duplex Keyboards double the above quantities)

7KC—Paper-feed-ratchet Pawl (stop)	7KC1	.56
guide	a7KC3	.13
spring **6121**	7KC2	.08
PAPER-FEED-RATCHET PAWL group	**X7KC**	**.77**

(Duplex Keyboards double the above quantities)

8KC—Paper Feed Release Plate	8KC1K	*
link	b8KC2	.44
spring **6121**	8KC4	.08
stud (for b8KC2)	b8KC5	★.10
" cotter **97**	a8KC6	★.00
" washer **439**	a8KC7	★.05
PAPER FEED RELEASE PLATE group	**Xa8KC**	**1.26**

*8KC1K is assembled with b8KC5, a8KC6 and a8KC7. Price assembled .74

(Duplex Keyboards double the above quantities)

9KC—Paper Feed Rod	9KC1	.39
eye (2)	9KC2	.44
" lock nut (2) **33**	9KC3	.06
stop nut (2)	9KC4	.10
" " lock nut (2) **33**	9KC5	.06
washer (fiber) (2) **448**	9KC6	.08
PAPER FEED ROD group	**X9KC**	**1.87**

(Duplex Keyboards double the above quantities)

10KC—Paper Feed Valve	10KC1	.39
lever	10KC2K	*
" pin (for 10KC1)	10KC3	★.09
" roller	10KC4	★.15
" " stud	10KC5	★.13
" " " nut **31**	10KC6	★.06
PAPER FEED VALVE group	**X10KC**	**1.85**

*10KC2K is assembled with 10KC3 to 10KC6 inclusive. Price assembled 1.46

(Duplex Keyboards double the above quantities)

11KC—Paper-feed-valve Bracket ..... 11KC1K *
plug screw (brass) (2) ..... **2235** .. 11KC2 ★.04
screw (4) ..... **232** .. 11KC3 .08
stud (for b4KC2K) ..... 11KC4 ★.12
" nut ..... **35** .. 11KC5 .06
" washer ..... **419** .. 11KC6 .05
" (for 10KC2K) ..... 11KC7 ★.12
PAPER-FEED-VALVE BRACKET group **X11KC 2.27**
*11KC1K is assembled with 11KC2, 11KC4 and 11KC7. Price assembled 1.84
(Duplex Keyboards double the above quantities)

12KC—Paper-feed-valve Cam ..... a12KC1 .87
adjusting stud (2) ..... 12KC2 .12
" " nut (2) ..... **33** .. 12KC3 .06
screw ..... **234** .. 12KC4 .08
" washer ..... **419** .. 12KC5 .05
PAPER-FEED-VALVE CAM group **X12KC 1.36**
(Duplex Keyboards double the above quantities)

13KC—Paper Feed Wheel (left) ..... c13KC1K *
(right) ..... c13KC2 *
dowel (2) ..... **528** .. 13KC3 ★.05
pin (22) ..... a13KC4 ★.01
ratchet (driving) ..... 13KC5 ★1.18
" (stop) ..... 13KC6 ★1.18
" rivet (4) ..... **7182** .. a13KC7 ★.04
" separating washer ..... 13KC8 ★.47
shaft ..... 13KC9 *
" knob (knurled) ..... 13KC10 .45
" " set screw ..... **2251** .. 13KC11 .65
PAPER FEED WHEEL group **Xc13KC 20.25**
*c13KC1K is assembled with c13KC2, 13KC3, a13KC4, 13KC5, 13KC6, a13KC7, 13KC8 and 13KC9. Price assembled 19.75
NOTE: To replace a broken PAPER-FEED-WHEEL SHAFT 13KC9 requires special tools (the distance between the WHEELS must be exact) and we do not, therefore, furnish these SHAFTS separately. If the customer chooses to send in his old PAPER FEED WHEELS for repair we will repair and return them to him, charging for material and labor. We do not have any loan PAPER FEED WHEELS for use while the customer's are returned to us for repair, but we would make the repair and return them as quickly as possible.

14KC—Paper Shaft (for supply roll) .... **14KC1 .29**
(Duplex Keyboards double the above quantity)

For special purposes (such as rewinding the ribbon at the Casting Machine) the double flange Paper Spool is furnished as follows:

15KC—Paper Spool (special) (3 1-2″ flange at each end) flange (2) ..... a15KC1K *
tube (inner) ..... 15KC2 *
" (outer) ..... 15KC3 *
PAPER SPOOL group (special) **X15KC 2.40**
*a15KC1K is assembled with 15KC2 and 15KC3. Order by symbol X15KC.

16KC—Paper-spool Shaft ..... a16KC1K *
head ..... a16KC2 *
" spring ..... a16KC3 *
washer ..... **449** .. a16KC4 *
PAPER-SPOOL SHAFT group **Xa16KC 1.11**
*a16KC1K is assembled with a16KC2, a16KC3 and a16KC4. Order by the complete symbol Xa16KC.
(Duplex Keyboards double the above quantities)

17KC—Paper-spool-shaft Bearing (left) 17KC1 .29
nut ..... a17KC2 .15
spring ..... **674** .. 17KC3 .08
PAPER-SPOOL-SHAFT BEARING group .... **X17KC .52**
(Duplex Keyboards double the above quantities)

18KC—Paper Tower (complete, for shipment purposes) **a18KC15KKK 142.00**
PAPER TOWER
cylinder ..... 18KC1 *
" die (for X32KC) ..... 18KC2 ★1.50
" " screw (4) ..... 18KC3 ★.05
" dowel (2) ..... 18KC4 ★.12
" head (2) ..... 18KC5 *
" " screw (6) ..... **2214** .. 18KC6 ★.04
" screw (4) ..... **234** .. 18KC7 ★.08
" slide (2) ..... 18KC8 *
" " stop screw (2) ..... **2212** .. a18KC38 ★.05
housing (left) ..... 18KC9K *
" punch lock ..... 18KC10K †
" " " knob ..... 18KC11 ★.39
" " " " dowel .... **528** .. 18KC12 ★.05
" " " pin ..... 18KC13 ★.06
" screw (2) ..... **223** .. 18KC14 .09
" (right) ..... a18KC15 *
" paper wind shaft ..... 18KC16K ‡
" " " " nut ..... **310** .. 18KC17 ★.08
" " " " pin (to engage a15KC1K) .. 18KC18 ★.05
" " " " spring post (for 22KC2) **878** .. 18KC19 ★.14
" " " " washer ... **413** .. 18KC20 ★.08
" screw (2) ..... **223** .. 18KC21 .09
" spring post (for 5KC3, 6KC3, 7KC2, 23KC2, 24KC2) (2) ... a18KC22 ★.15
" stop bracket (for a21KC7) ..... a18KC23 ★.39
" stud (for a23KC1K) ..... b18KC24 ★.15
" " cotter ..... **97** .. a18KC25 .00
" " washer ..... **439** .. a18KC26 ★.05
punch guide (front) ..... a18KC29K §
" " (rear) ..... a18KC41 §
" " index plate ..... 18KC30 ★.39
" " " " screw (2) .. **251** .. 18KC31 ★.05
" " knob ..... a18KC42 ★.23
" " screw (left, long) .... **2204** .. 18KC32 ★.06
" " " (right, short) ... **247** .. 18KC33 ★.05
" " " (2) ..... **246** .. a18KC43 ★.05
" bar guide (front) ..... a18KC44 ★.43
" " " (rear) ..... a18KC45 ★.74
" " " screw (2) ..... **2219** .. a18KC46 ★.05
tension arm (for Xa33KC) ..... a18KC34K ||
" " key (for 18KC36) ..... 18KC35 ★.05
" " lever (for a12KC1) ..... 18KC36 ★.59
" " " clamp screw .... **233** .. 18KC37 ★.08
" " shoe ..... a18KC39 ★.29
" " " rivet (2) ..... **7182** .. a18KC40 ★.04
PAPER TOWER group ..... **X18KC** **
X18KC is assembled with Xa2KC, X3KC, X5KC, Xa6KC, X7KC, Xa8-KC, X12KC, Xc13KC, X17KC, Xa21KC, X22KC, Xa23KC, Xa24KC, Xa25KC, X32KC, Xa33KC, Xa34KC, Xa35KC, Xa46KC and 47KC1. Price assembled **115.50
*18KC9K is the same as X18KC (see above) and must be assembled with the same parts, except that it does not include the four screws 18KC14 and 18KC21. Price assembled 115.14
†18KC10K is assembled with 18KC13. Price assembled is ..... .68
‡18KC16K is assembled with 18KC18. Price assembled 1.50
§a18KC29K is assembled with a18KC41. (Can be applied only in our factory and requires 18KC2 to be applied at the same time.) Price of parts (application extra) 7.28
||a18KC34K is assembled with a18KC39 and a18KC40. Price assembled ... 4.97
Duplex Keyboards double the above quantities, and add:
PAPER TOWER HOUSING PUNCH LOCK KNOB STOP (2) ..... **836** .. 18KC47 .12

19KC—Paper-tower Cover (rear) ..... a19KC1K *
knob ..... 19KC2 ★.15
PAPER-TOWER COVER group **Xa19KC 1.25**
*a19KC1K is assembled with 19KC2. Order by the complete symbol Xa19KC.
(Duplex Keyboards double the above quantities)

20KC—Paper-tower Cover (front, large) 20KC1 .29
(front, small) ..... 20KC2 .15
screw (5) ..... **241** .. 20KC3 .06
PAPER-TOWER COVER (front) group ..... **X20KC .74**
(Duplex Keyboards double the above quantities)

21KC—Paper Wind Lever ..... 21KC1K *
driving rod ..... a21KC7 .39
stud (for b24KC1K) ..... a21KC2 ★.10
" cotter ..... **97** .. a21KC3 ★.00
" washer ..... **439** .. a21KC4 ★.05
" (for a21KC7) ..... a21KC5 ★.10
" cotter ..... **97** .. a21KC6 ★.00
spring post (for a24KC4) ..... **885** .. a21KC8 ★.06
PAPER WIND LEVER group **X21KC 1.64**
*21KC1K is assembled with a21KC2 to a21KC6 inclusive and a21KC8. Price assembled 1.25
(Duplex Keyboards double the above quantities)

22KC—Paper Wind Ratchet ..... 22KC1K *
spring ..... **6125** .. 22KC2 .08
" post (in 22KC1K) ..... **870** .. 22KC3 ★.06
PAPER WIND RATCHET group **X22KC 1.74**
*22KC1K is assembled with 22KC3. Price assembled is 1.66
(Duplex Keyboards double the above quantities)

23KC—Paper-wind-ratchet Detent .... a23KC1K *
pin ..... a23KC3 ★.04
spring ..... **6121** .. 23KC2 .08
PAPER-WIND-RATCHET DETENT group .. **Xa23KC .74**
*a23KC1K is assembled with a23KC3. Price assembled is ..... .66
(Duplex Keyboards double the above quantities)

24KC—Paper-wind-ratchet Pawl ..... b24KC1K *
pin ..... a24KC3 ★.04
spring (long) ..... **6195** .. 24KC2 .12
" (short) ..... **6145** .. a24KC4 .08
" post (for a24KC4) ..... **871** .. a24KC5 ★.06
PAPER-WIND-RATCHET PAWL group ..... **Xa24KC .86**
*b24KC1K is assembled with a24KC3 and a24KC5. Price assembled ..... .66
(Duplex Keyboards double the above quantities)

25KC—Paper-feed-release-plate-link Bracket ..... b25KC1K *
pin ..... a25KC3 ★.22
screw (2) ..... **2251** .. 25KC2 .05
PAPER-FEED-RELEASE-PLATE-LINK BRACKET group ..... **Xa25KC .63**
*b25KC1K is assembled with a25KC3. Price assembled ..... .53
(Duplex Keyboards double the above quantities)

26KC—Pipe (in c29KC1K to a46KB8) ... 26KC1 .15
union (female end) ..... 26KC2 .08
PIPE group ..... **X26KC .23**
(Duplex Keyboards double the above quantities)

27KC—Pipe
(in c29KC1K to a36KB4, right) ..... a27KC1 .29
(in c29KC1K to a36KB4, left) ..... a27KC2 .29
lock nut (for a27KC1 and a27KC2) (2) .. a27KC4 .15
union (female end) (2) ..... 27KC3 .09
PIPE group **X27KC 1.06**
(Duplex Keyboards double the above quantities)

28KC—Piston (regular) (9-16" diam.) (37) 28KC1 .38
(for 24KB1K) (11-16" diam.) ..... 28KC2 .44
(for 40KC1K) ..... a28KC3 .38
PISTON group **X28KC 14.88**
(Duplex Keyboards double the above quantities, substituting 28KC1 for a28KC3)

29KC—Piston Block ..... c29KC1K *
plate (cover for Tension-arm Piston) .... 29KC2K †
" pin (for 29KC10) ..... 29KC3 ★.07
" screw (2) ..... **232** .. 29KC4 .08
plug screw (brass) (4) ..... **2235** .. 29KC7 .04
screw (8) ..... **2199** .. 29KC8 .11
space switch piston ..... 29KC9 .44
" " " spring ..... **6135** .. 29KC10 .08
" " valve plunger ..... 29KC11 .15
" " " " bushing ..... 29KC12 *
" " " " link ..... 29KC13 .15
spring post (for 36KC5) ..... **851** .. 29KC14 .06
valve (for shifting the reverse) ..... 29KC15 .38
" bushing ..... 29KC16 *
" handle ..... 29KC17 .15
" " pin ..... **7139** .. 29KC18 .01
" spring ..... **633** .. 29KC19 .08
PISTON BLOCK group **Xc29KC 32.50**
*c29KC1K is assembled with 29KC12 and 29KC16. Price assembled 29.06
†29KC2K is assembled with 29KC3. Price assembled is ..... .74
NOTE: A worn PISTON BLOCK may be exchanged for a repaired PISTON BLOCK. Price for exchange 23.00
(Duplex Keyboards double the above quantities)

30KC—Piston-block Base (Style D‡ Keyboard only) ..... c30KC1K *
bracket (left) ..... 30KC2 ★2.92
" (right) ..... 30KC3 ★2.92
" plate (for Pipes) ..... 30KC4 *
" " screw (lower, long) (2) **222** . 30KC5 ★.09
" " " (rear, short) (2) **223** . 30KC6 ★.09
" screw (4) ..... **214** .. 30KC7 ★.11
pipe (from Plunger 11) ..... 30KC8 †
" (" " 4) ..... 30KC9 †
" (" " 15) ..... 30KC10 †
" (" " 5) ..... 30KC11 †
" (" " 13) ..... 30KC12 †
" (" " 10) ..... 30KC13 †
" (" " 2) ..... 30KC14 †
" (" " 14) ..... 30KC15 †
" (" " 7) ..... 30KC16 †
" (" " 16) (.0005 justifying) 30KC17 †
" (" " 9) ..... 30KC18 †
" (" " 1) ..... 30KC19 †
" (" " 12) ..... 30KC20 †
" (" " 3) ..... 30KC21 †
" (" " 6) ..... 30KC22 †
" (" " 8) ..... 30KC23 †
" (" " B) ..... 30KC24 †
" (" " R) ..... 30KC25 †
" (" " JD) ..... a30KC26 †
" (" " A) ..... 30KC27 †
" (" " S) ..... 30KC28 †
" (" " 17) (.0075 justifying) 30KC29 †
" (" " E) ..... 30KC30 †
" (" " K) ..... 30KC31 †
" (" " I) ..... 30KC32 †
" (" " H) ..... 30KC33 †
" (" " O) ..... 30KC34 †
" (" " F) ..... 30KC35 †
" (" " N) ..... 30KC36 †
" (" " D) ..... 30KC37 †
" (" " G) ..... 30KC38 †
" (" " J) ..... 30KC39 †
" (" " L) ..... 30KC40 †
" (" " M) ..... 30KC41 †
" (" " C) ..... 30KC42 †

30KC—Piston-block Base (continued)

pipe (29KC11 to 29KC9)	30KC43	†
" (30KC4 to Reversing-valve Chest)	30KC44	†
" (30KC4 to Tension-arm Piston)	30KC45	†
" (Reversing Valve to a36KB1 left)	30KC46	†
" (29KC15 to 28KC2)	30KC47	†
" (.0005 Justifying Piston to 29KC15)	30KC48	†
" (28KC2 to a1KB5)	30KC49	†
" (Reversing Valve to a36KB1, right)	30KC50	†
" (Justifying Space Piston to Piston for 17KB4)	30KC51	†
" (Tension-arm Piston to Reversing-valve Chest)	30KC52	†
" (Tension-arm Piston to Paper-feed-valve Chest)	30KC53	†
" (Paper-feed-valve Chest to Paper-feed Driving Piston)	30KC54	†
" (Paper-feed-valve Chest to Paper-feed Return Piston)	30KC55	†
" (Space-switch Piston to Space Piston)	30KC56	†
screw (4) **215**	30KC57	.11
pipe (exhaust for Space Counter)	a30KC58	†
" bracket (for Repeater Connection)	b30KC59	★1.46
" " pipe (front)	b30KC60	†
" " " (rear)	b30KC61	†
" " " (from JD air to b30KC59)	a30KC64	†
" " screw (short) (2) **223**	a30KC63	★.09
PISTON-BLOCK BASE group	**Xc30KC**	**59.03**

*c30KC1K is assembled with 30KC2 to 30KC25 inclusive, a30KC26, 30KC27 to 30KC56 inclusive, a30KC58, b30KC59 to b30KC61 inclusive, a30KC63 and a30KC64. Price assembled..... 58.59

†PIPE properly annealed and suitable for repairs will be furnished, in lengths of not less than one foot, at fifty-three cents per foot.

‡For Duplex Keyboard Piston-block Base see 56KC.

31KC—Piston Levers:

(for first row of links) (5)	31KC1	.59
(" second row of links) (5)	31KC2	.59
(" third row of links) (6)	31KC3	.59
(" fourth row of links) (5)	31KC4	.59
(" fifth row of links) (6)	31KC5	.59
(" sixth row of links) (6)	31KC6	.59
fulcrum rod (2)	31KC7	.15
" " bracket (left)	31KC8	2.92
" " " lever (for 29KC11)	a31KC9	.22
" " " " fulcrum pin	31KC10	.09
" " " " heel	a31KC21	.22
" " " " " fulcrum	a31KC23	.05
" " " (right)	31KC12	2.92
" " " screw (4) **2199**	31KC13	.11
link (33)	31KC14	.29
separator washer (33) **451**	31KC15	.08
stop (for b31KC18) (2)	a31KC20	.53
" bar (lower)	31KC16	.59
" " screw (2)	31KC17	.09
" " (upper) (2)	b31KC18	1.11
" " screw (4) **232**	31KC19	.08
PISTON LEVER group	**Xa31KC**	**43.21**

‡These are listed according to the position of their links. Thus LEVERS 31KC1 have their links nearest the front of the KEYBOARD.

(Duplex Keyboards double the above quantities)

32KC—Punch (regular) (29) ..... 32KC1 .22
(justifying) (2) ..... 32KC2 .28
PUNCH group **X32KC** **6.94**

(Duplex Keyboards double the above quantities)

33KC—Punch Bars‡ (front) (10) ..... a33KC1 .44
(middle) (11) ..... a33KC2 .44
(rear) (12) ..... a33KC3 .44
PUNCH BAR group **Xa33KC** **14.52**

‡These are listed according to the position of their lower ends in the PISTON LEVERS 31KC1 to 31KC6 inclusive. Thus PUNCH BARS a33KC1 have their lower ends nearest the front of the KEYBOARD.

(Duplex Keyboards double the above quantities)

34KC—Punch-bar Lever (regular for operating 32KB1K and 32KB2) (14) ..... 34KC1 .38

(left hand) (bent)	34KC2	.38
(right hand) (front end)	34KC3K	*
(" ") (rear end)	34KC4	*
(" ") packing piece	34KC5	★.09
rivet (2) **7121**	34KC6	★.01
bracket	b34KC7K	†
" pin (for a19KC1K) (2)	a34KC17	★.01
" plunger (for a32KB3)	34KC8	.29
" " head (knurled)	34KC9	.23
" " sleeve nut	34KC10	.15
" " spring **647**	34KC11	.08
" screw (4) **233**	34KC12	.08
fulcrum rod	34KC13	.15
liner (.0284" thick) (14)	a34KC14	.07
" separator	a34KC15	1.18
" " screw (4) **2166**	a34KC16	.06
PUNCH-BAR LEVER group	**Xa34KC**	**17.29**

*34KC3K is assembled with 34KC4, 34KC5 and 34KC6. Price assembled .69

†b34KC7K is assembled with a34KC17. Price assembled..... 7.28

(Duplex Keyboards double the above quantities)

35KC—Punch-bar Separator a35KC9 1.61
screw (2) ..... **246** a35KC10 .05
PUNCH-BAR SEPARATOR group **Xa35KC** **1.71**

(Duplex Keyboards double the above quantities)

36KC—Reversing Valve ..... 36KC1 .39

lever	a36KC10K	†
" bell crank	a36KC2K	*
" " " piston link	36KC4	.22
" " " spring **6121**	36KC5	.08
" " " " post **882**	a36KC6	★.05
" " " stud (for 36KC4)	a36KC7	★.10
" " " " cotter **97**	a36KC8	★.00
" " " " washer **439**	a36KC9	★.05
" pin (for 36KC1)	36KC3	★.09
" spring **6121**	a36KC11	.08
" " pin	a36KC12	★.06
REVERSING VALVE group	**X36KC**	**3.69**

*a36KC2K is assembled with a36KC6 to a36KC9 inclusive. Price assembled 1.46

†a36KC10K is assembled with 36KC3 and a36KC12. Price assembled..... 1.46

(Duplex Keyboards double the above quantities)

37KC—Reversing-valve Bracket ..... 37KC1K *

plug screw (brass) (2) **2235**	37KC2	★.04
screw (4) **232**	37KC3	.08
stud (for a36KC2K)	37KC4	★.12
" nut **35**	37KC5	.06
" washer **419**	37KC6	.05
REVERSING-VALVE BRACKET group	**X37KC**	**1.89**

*37KC1K is assembled with 37KC2 and 37KC4. Price assembled..... 1.46

(Duplex Keyboards double the above quantities)

38KC—Tension-arm Connecting Rod .. 38KC1 .19

forked eye (2)	38KC2	.38
" " lock nut (2) **33**	38KC3	.06
" " oil pad (for lower eye)	a38KC6	.05
" " pin (2)	38KC4	.09
" " " cotter (4) **95**	38KC5	.00
TENSION-ARM CONNECTING ROD group ..	**X38KC**	**1.30**

(Duplex Keyboards double the above quantities)

39KC—Tension-arm-connecting-rod

Lever (to b38KB12)	39KC1K	*
bracket	39KC2	.81
" oil pad (for 39KC8)	a39KC11	.05
" screw (2) **222**	39KC3	.09
bushing (center)	39KC4	*
" ring	39KC5	*
" (end)	39KC6	*
" ring **450**	39KC7	*
fulcrum pin	39KC8	.08
" " cotter (2) **95**	39KC9	.00
roller bearing (for b38KB12)	39KC10	.15
TENSION-ARM-CONNECTING-ROD LEVER group	**X39KC**	**2.88**

*39KC1K is assembled with 39KC4 to 39KC7 inclusive. Price assembled 1.61

(Duplex Keyboards double the above quantities)

40KC—Tension-arm Piston Rod 40KC1K *

forked eye	40KC2	.38
" " lock nut **33**	40KC3	.06
" " pin	40KC4	.09
" " " cotter (2) **95**	40KC5	.00
head	40KC6	*
TENSION-ARM PISTON ROD group	**X40KC**	**.75**

*40KC1K is assembled with 40KC6. Price assembled .22

(Duplex Keyboards double the above quantities)

41KC—Valve Bank b41KC1K *

air filter	a41KC2K	†
" " cap	41KC3	†
" " " screw (8) **227**	41KC4	★.09
" " frame (clamp for 41KC7) (4)	41KC5	★.22
" " " screw (12) **2242**	41KC6	★.05
" " packing (muslin) (8) (per set)	41KC7	★.15
" " screen (4)	41KC8	★.08
" " screw (to b41KC1K) (long) (4) **2200**	41KC9	.11
" " " (to b41KC1K) (short) (9) **227**	41KC10	.09
bolt (to 30KC4) (10) **129**	41KC11	.09
plunger (35)	41KC12	★.09
"	b41KC28	★.22
" bushing (for b41KC28)	a41KC29	*
" " (for 41KC12) (34)	41KC13	*
" oil pad (felt)	a41KC23	★.16
oil pipe (2)	a41KC24	.16
" " cap (2)	a41KC25	.09
plunger return bar	a41KC15K	‡
" " " bushing (2)	a41KC16	★.15
" " " plunger (2)	a41KC17	★.15
" " " " bushing (2)	41KC18	★.15
" " " " cotter (2) **95**	41KC19	★.00
" " " " nut (2) **31**	41KC20	★.06
" " " " spring (2) **6136**	41KC21	★.08
" " " " washer (2) **436**	41KC22	★.05
VALVE BANK group	**Xd41KC**	**37.70**

*b41KC1K is assembled with 41KC13 and a41KC29. With this assembly must be furnished 41KC12 and b41KC28. Price of this combination 18.20

We recommend the exchange as given in the "Note" below.

†a41KC2K is assembled with 41KC3 to 41KC8 inclusive, a41KC15K, 41KC18, 41KC20 to 41KC22 inclusive. Price assembled 16.85

‡a41KC15K is assembled with a41KC16, a41KC17, 41KC19 and a41KC23. Price assembled 1.84

NOTE: A worn Valve Bank may be exchanged for a repaired Valve Bank. Price for exchange 28.00

42KC—Valve-bank-air-filter Vent Pipe 42KC1 .13

coupling	42KC2	.09
elbow	42KC3	.08
" close nipple (1-8" iron)	42KC4	.08
pet cock (1-8")	42KC5	.90
VALVE-BANK-AIR-FILTER VENT PIPE group	**X42KC**	**1.28**

45KC—Paper Guide

distance rod	a45KC14	*
" " washer (2)	a45KC15	*
fulcrum pin (2)	45KC4	*
" " plate (2)	a45KC5	*
" " " rivet (6) **7238**	45KC6	★.01
plate (right)	a45KC8K	*
" (left)	a45KC9	*
rod	a45KC7	*
tension rod	a45KC10	★.21
" " spring (2) **6122**	45KC11	★.09
washer (4)	a45KC13	★.01
weight	a45KC12	*
PAPER GUIDE group	**X45KC**	**7.28**

*a45KC8K is assembled with all of the above parts. Order by complete symbol X45KC.

(Duplex Keyboards double the above quantities)

46KC—Paper-spool Guide

plate (right)	a46KC1K	*
" (left)	a46KC2	*
rod (2)	46KC3	*
PAPER-SPOOL GUIDE group	**Xa46KC**	**1.24**

*a46KC1K is assembled with a46KC2 and 46KC3. Order by complete symbol Xa46KC.

(Duplex Keyboards double the above quantities)

47KC—Paper-spool-guide Screw (4) **47KC1 .07**

(Duplex Keyboards double the above quantities)

49KC—Paper Spool

(standard) (2 1-2" single flange) flange	a49KC1K	*
tube (inner)	49KC2	*
" (outer)	a49KC3	*
" head	a49KC4	*
PAPER SPOOL group	**X49KC**	**2.40**

*a49KC1K is assembled with 49KC2, a49KC3 and a49KC4. Order by complete symbol X49KC.

For Duplex Keyboard only:

52KC—Lock Switch Valve 52KC1K *

body	52KC2	*
" head	52KC3	★.38
key **7168**	52KC4	★.04
lever	52KC5	★.73
nut **35**	52KC6	★.06
spring **6158**	52KC7	★.11
washer **438**	52KC8	★.05
LOCK SWITCH VALVE group	**X52KC**	**4.37**

*52KC1K is assembled with 52KC2 to 52KC8 inclusive. Order by complete symbol X52KC.

For Duplex Keyboard only:

56KC—Piston-block Base c56KC1K *

bracket (left)	56KC2	★2.92
" (right)	56KC3	★2.92
" plate (for Pipes)	a56KC4	★9.38
" " pipe (to 52KC1) (left)	b56KC5	†
" " " (to 52KC1) (right)	b56KC6	†
" " screw (4) **222**	56KC7	.09
" screw (4) **214**	56KC117	.11

56KC—Piston-block Base (continued)

pipe (from Plunger 11) (right) ..... a56KC9 †
" (" " 4) (") ..... a56KC10 †
" (" " 15) (") ..... a56KC11 †
" (" " 5) (") ..... a56KC12 †
" (" " 13) (") ..... a56KC13 †
" (" " 10) (") ..... a56KC14 †
" (" " 2) (") ..... a56KC15 †
" (" " 14) (") ..... a56KC16 †
" (" " 7) (") ..... a56KC17 †
" (Plunger 16 to Punch-lock-cylinder Plunger) (right) ..... b56KC18 †
" (from Punch-lock-cylinder Plunger to .0005 Piston) (right) ..... a56KC19 †
" (from Plunger 9) (right) ..... a56KC20 †
" (" " 1) (") ..... a56KC21 †
" (" " 12) (") ..... a56KC22 †
" (" " 3) (") ..... a56KC23 †
" (" " 6) (") ..... a56KC24 †
" (" " 8) (") ..... a56KC25 †
" (" " B) (") ..... a56KC26 †
" (" " JD) (") ..... b56KC27 †
" (" " A) (") ..... a56KC28 †
" (" " S) (") ..... b56KC29 †
" (" " 17) (.0075 Piston) (right) ..... a56KC30 †
" (from Plunger E) (right) ..... a56KC31 †
" (" " K) (") ..... a56KC32 †
" (" " I) (") ..... a56KC33 †
" (" " H) (") ..... a56KC34 †
" (" " O) (") ..... a56KC35 †
" (" " F) (") ..... a56KC36 †
" (" " N) (") ..... a56KC37 †
" (" " D) (") ..... a56KC38 †
" (" " G) (") ..... a56KC39 †
" (" " J) (") ..... a56KC40 †
" (" " L) (") ..... a56KC41 †
" (" " M) (") ..... a56KC42 †
" (" " C) (") ..... a56KC43 †
" (a56KC4 to Reversing-valve Chest) (right) ..... a56KC44 †
" (a56KC4 to Tension-arm Piston) (right) ..... a56KC45 †
" (from Plunger 11) (left) ..... a56KC46 †
" (" " 4) (") ..... a56KC47 †
" (" " 15) (") ..... a56KC48 †
" (" " 5) (") ..... a56KC49 †
" (" " 13) (") ..... a56KC50 †
" (" " 10) (") ..... a56KC51 †
" (" " 2) (") ..... a56KC52 †
" (" " 14) (") ..... a56KC53 †
" (" " 7) (") ..... a56KC54 †
" (from Plunger 16 to Punch-lock-cylinder Plunger) (left) ..... b56KC55 †
" (from Punch-lock-cylinder Plunger to .0005 Piston) (left) ..... b56KC56 †
" (from Plunger 9) (left) ..... a56KC57 †
" (" " 1) (") ..... a56KC58 †
" (" " 12) (") ..... a56KC59 †
" (" " 3) (") ..... a56KC60 †
" (" " 6) (") ..... a56KC61 †
" (" " 8) (") ..... a56KC62 †
" (" " B) (") ..... a56KC63 †
" (" " JD) (") ..... b56KC64 †
" (" " A) (") ..... a56KC65 †
" (" " S) (") ..... b56KC66 †
" (" " 17) (.0075 Piston) (left) ..... a56KC67 †
" (" " E) (left) ..... a56KC68 †
" (" " K) (") ..... a56KC69 †
" (" " I) (") ..... a56KC70 †
" (" " H) (") ..... a56KC71 †
" (" " O) (") ..... a56KC72 †
" (" " F) (") ..... a56KC73 †
" (" " N) (") ..... a56KC74 †
" (" " D) (") ..... a56KC75 †
" (" " G) (") ..... a56KC76 †
" (" " J) (") ..... a56KC77 †
" (" " L) (") ..... a56KC78 †

56KC—Piston-block Base (continued)

pipe (from Plunger M) (left) ..... a56KC79 †
" (" " C) (") ..... a56KC80 †
" (a56KC4 to Reversing-valve Chest) (left) ..... a56KC81 †
" (a56KC4 to Tension-arm Piston) (left) a56KC82 †
" (29KC9 to 29KC11) (2) ..... a56KC83 †
" (29KC9 to Punch-lock-cylinder Plunger) (2) ..... b56KC84 †
" (29KC9 to Space Piston) (2) ..... b56KC85 †
" (from Space Piston to Justifying-scale-pointer Piston) (2) ..... 56KC86 †
" (a59KC1 to 29KC15) (2) ..... 56KC87 †
" (29KC15 to 28KC2) (2) ..... 56KC88 †
" (29KC15 to .0005 Piston) (2) ..... a56KC89 †
" (28KC2 to b1KB2K) (2) ..... 56KC90 †
" (Tension-arm Piston to 10KC1) (2) 56KC91 †
" (10KC1 to Paper Feed Pistons) (4) 56KC92 †
" (Tension-arm Piston to 36KC1) (2) a56KC93 †
" (36KC1 to a36KB1, right) (2) ..... a56KC94 †
" (36KC1 to a36KB1, left) (2) ..... a56KC95 †
" (a56KC4 to 52KC1) ..... a56KC96 †
" (exhaust for Space Counter) (2) .... a56KC100 †
" (constant air, when not Repeating, from JD Valve to b56KC113) ... a56KC116 †
" bracket (for Repeater connection) b56KC113 ★1.46
" " screw (2) ..... **223** .. a56KC115 ★.09
plate (for Pipes attached to a59KC1) (2) a56KC99 .83
" pipe (52KC1 to a56KC101, right) .. a56KC102 †
" " (52KC1 to a56KC101, left) ... a56KC103 †
" " (from Paper Feed Valve, right, front, to a56KC101) ..... a56KC104 †
" " (from Paper Feed Valve, right, rear, to a56KC101) ..... a56KC105 †
" " (from Paper Feed Valve, left, front, to a56KC101) ..... a56KC106 †
" " (from Paper Feed Valve, left, rear, to a56KC101) ..... a56KC107 †
" " (a56KC101 to a59KC1, right) a56KC108 †
" " (a56KC101 to a59KC1, left) .. a56KC109 †
" " (a56KC101 to b56KC113, lower) ..... b56KC110 †
" " (a56KC101 to b56KC113, upper) ..... b56KC111 †
PISTON-BLOCK BASE group **Xc56KC 131.25**

*c56KC1K is assembled with all the parts of the PISTON-BLOCK BASE group. Order by complete symbol Xc56KC.

†PIPES properly annealed and suitable for repairs will be furnished in lengths of not less than one foot, at fifty-three cents per foot.

NOTE: For Style D Keyboard Piston-block Base see 30KC.

For Duplex Keyboard only:

58KC—Piston-block-base Screw (front) ..... (2) ..... **222** .. 58KC1 .09
(top) (2) ..... **214** .. 58KC2 .11
PISTON-BLOCK-BASE SCREW group ..... **X58KC .40**

For Duplex Keyboard only:

59KC—Punch Lock Cylinder (2) a59KC1 9.92
head (2) a59KC2 1.00
piston (2) a59KC3 2.76
plunger (2) a59KC4 1.76
" disk (2) ..... a59KC5 .34
" guide (2) ..... a59KC8 .14
" " rod (4) ..... a59KC9 .12
" " " nut (4) ..... **31** .. a59KC10 .06
" " " spring (4) ..... **6157** .. a59KC11 .21
plug screw (6) ..... **2235** .. a59KC7 .04
PUNCH LOCK CYLINDER group (2) (each) **Xa59KC 16.82**

For Duplex Keyboard only:

60KC—Punch-lock-cylinder Screw (for a56KC99) (4) ..... **2161** .. **60KC1 .08**

For Duplex Keyboard only:

61KC — Punch - lock - cylinder Screw (for a59KC1) (4) ..... **227** .. 61KC1 .09

66KC—Piston-block-base-pipe-bracket Cap (for b30KC59 or b56KC113) .... a66KC1 .38
screw (2) ..... **233** .. 66KC2 .08
Piston-block-base-pipe-bracket Cap group ..... **Xa66KC** **.54**

67KC—Piston-block-base-plate Cap ... 67KC1 3.64
head (2) ..... 67KC2 .15
piston ..... 67KC3 .74
screw (4) ..... **235** .. 67KC4 .08
Piston-block-base-plate Cap group ... **X67KC** **5.00**

For Duplex Keyboard only:

68KC — Piston - block - base - plate Cap (for a56KC101; superseded by X67KC when Repeater is applied) ..... 68KC1 .74
screw (4) ..... **233** .. 68KC2 .08
Piston-block-base-plate Cap group ... **X68KC** **1.06**

70KC—Paper Spool (standard) (3 1-2″ single flange) flange ..... 70KC1K *
tube (inner) ..... 70KC2 *
" (outer) ..... 70KC3 *
" head ..... 70KC4 *
Paper Spool group **X70KC** **2.40**
*70KC1K is assembled with 70KC2, 70-KC3 and 70KC4. Order by complete symbol X70KC.

(Duplex Keyboards double the above quantities)

Miscellaneous Supplies

Vacuum Cleaner
cup 39L1 2.00
" cap ..... 39L2 .70
" " screen ..... 39L3 .15
" " spring ..... **650** .. 39L4 .08
" " " pin ..... 39L5 .36
" latch ..... 39L6 .25
" " rivets (2) ..... **7168** .. 39L7 .04
hose connection ..... a39L8 .22
" " elbow ..... a39L9 .15
nozzle ..... 39L10 .75
pipe (to 39L1) (1-8″ iron) ..... 39L11 .13
" tee (1-8″ iron) ..... 39L12 .08
suction pipe 39L13 1.80
Vacuum Cleaner group X39L 6.75

Vacuum Cleaner Hose per foot ..... 1KC1 .30

Monotype Controller Paper packed in cases of approximately 100 pounds. Price per pound ..... .14
Quantity less than one case. Price per pound ..... .15

Keyboard Oil, per pint can ..... .45
per gallon can 3.25

Screwdriver 4″ x 1-8″ ..... 22L1 .40
7 1-2″ x 1-4″ ..... 22L3 .60
7 1-2″ x 3-8″ ..... 22L4 .65

Keyboard Cover, Style D 4.70
" " Duplex 7.45

Wrenches
No. 82 (5-16″ x 13-32″) ..... .42
No. 83 (13-32″ x 1-2″) ..... .40
No. 810 (9-32″ x 5-16″) ..... .30
No. 824 (3-4″ box x 5-8″ open) ..... .50
No. 825 (7-32″) ..... .40

Oil Can (Small) ..... .15

Brush 1″ ..... .15

Small Can Paint (black or grey) ..... .70

Air Storage Tank 20L1 24.50
petcock ..... 20L3 .50
pressure gage 20L5 4.00
safety valve and weight 20L6L 4.50
Air Storage Tank group X20L 33.50

Keyboard Plate Book 1.00

Keyboard Adjustment Book 1.00

Straight Matter Composition (including Matrix Case Arrangements) 1.00

Matrix Case Arrangements and Keyboard Layouts ..... .25

Tabular Composition With Appendix on Plate Gothics 1.00

Copyfitting (book only) ..... .50

Table Changing Pica Ems ..... .25

Paper Em Scales, per pad ..... .17

L-63 $40.00 case

$42.50 per case Carpenter Paper Co - (not transcribing) $22.00 per 50 lb. case less 17% 11-1966 Paper Mfrs. Co. Phila, Pa

Paper $23.00 per case of 30 rolls The Triden Corp. See black bible

11KU-1517 attachment. 4 springs for
rocker arms $15.00 8-66

MANUFACTURERS OF PLATE-MAKING EQUIPMENT • ENGINEERING SPECIALISTS TO THE GRAPHIC ARTS

WILSON 7-0748

Sörga INCORPORATED

FRANK & TOMLINSON ROADS • BETHAYRES
HUNTINGDON VALLEY • PENNSYLVANIA

April 4, 1963

Mr. William R. Rickers
Perfection Type Incorporated
Park Square Building
6th and Wacouta Streets
St Paul 1, Minnesota

Dear Mr. Rickers:

Thank you for your letter of March 29th and interest in our Reconditioned Monotype Style "D" Keyboard Machines.

Perhaps we should first mention that all of our Machine Units are thoroughly reconditioned and fully guaranteed to be equivalent to New Machine Units. We further guarantee that they are fully capable of operating at maximum efficiency and to the users entire satisfaction. In addition, a few of the latest features are included.

Our Reconditioned Style "D" Monotype Keyboard Machines, 90Em, run between 1500.00 to 1700.00 f.o.b. Bethayres, Huntingdon Valley, Penna. Our Exchange Program has been estiblished to maintain our stock of used machines at a constant level and most important, reduces the customers down time to a minimum.

If you will let us know if you have a unit to trade-in, or prefer an additional machine unit, we will be most happy to submit our quotation. We do hope that we are favored with your business and assure you of the very finest.

Very truly yours,

SORGA INCORPORATED

Dominic Lorenzo

Dominic Lorenzo
Administrator

Monomatic Caster	$14,800.00	7-27-65
Trade-in	2,000.00	"
Monomatic Keyboard	$ 4,800.00	"
Trade-in	400.00	"
1617 Caster	$11,890.00	"
Trade-in	1,000.00	"
1617 Keyboard	$3,290.00	"
Trade-in	200.00	"
Style 3E Composition Mold NEW	$ ~~475.00~~ 495.00 (6/67)	9 5-69
Style 3E Rebuilt Mold- 10Pt.	$ 395.00 (~~6/67~~)	12-68
Credit for trade-in Mold 3E	~~130.50~~ (2/67) 100.00	2-69
1517 Mat Case XMV8A	$ 101.00 (9/14/65)	
Wedges	$ ~~55.50~~ $61.05 (12/1968)	3-70
Stop-Bars	$ 69.50 (4/67)	
English Justification Scales	$ 14.90 (6/67)	
1517 Keybars	$ 195.00 (4/67) (2 = $390.00)	

Monomatic Keyboard Manual $7.50 - 1-1969
" Caster " $7.50 - 1-1969
" Parts List $15.00 - 1-1969

Composition Mat	1.45 -	4-69
English Comp. Mat	1.85 -	5-69
American Accent Mat	2.90 -	6-69